

# INTERNATIONAL SEARCH REPORT

National Application No.

PCT/EP 03/13281

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C07K14/435 A01K67/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, SEQUENCE SEARCH

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LEVINE L D ET AL: "ISOLATION AND CHARACTERIZATION OF A PHOTO PROTEIN PHIALIDIN AND A SPECTRALLY UNIQUE GREEN FLUORESCENT PROTEIN FROM THE BIO LUMINESCENT JELLYFISH PHIALIDIUM-GREGARIUM" COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY B, vol. 72, no. 1, 1982, pages 77-86, XP009028577 ISSN: 0305-0491 cited in the application	1,2,5,6,8,9
Y	abstract page 79, right-hand column, paragraph 2 -page 80, right-hand column, paragraph 1; figure 3; table 3 --- -/--	3,4,7,10

☒ Further documents are filed in the continuation of box C.

☐ Patent family members are listed in annex.

\* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

6 April 2004

Date of mailing of the international search report

12/05/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>CHALFIE, M. AND KAIN, S.: "Green fluorescent protein: properties, applications, and protocols" August 1998 (1998-08) , WILEY-LISS, INC. XP009028583 cited in the application page 49; figure 3.3 page 70</p> <p style="text-align: center;">---</p>	3,4,7,10
Y	<p>PRASHER D C: "Using GFP to see the light" TRENDS IN GENETICS, ELSEVIER, AMSTERDAM, NL, vol. 11, no. 8, 1995, pages 320-323, XP004207387 ISSN: 0168-9525 page 322, right-hand column, paragraph 5 -page 323, left-hand column, paragraph 2; figure 2; table 1</p> <p style="text-align: center;">---</p>	3,4,7,10
Y	<p>TSIEN R Y: "THE GREEN FLUORESCENT PROTEIN" ANNUAL REVIEW OF BIOCHEMISTRY, PALTO ALTO, CA, US, vol. 67, 1998, pages 509-544, XP000946725 ISSN: 0066-4154 page 511, paragraph 3 page 539, paragraph 3</p> <p style="text-align: center;">---</p>	3,4,7,10
A	<p>INOUE SATOSHI ET AL: "Cloning and sequence analysis of cDNA for the calcium-activated photoprotein, clytin" FEBS (FEDERATION OF EUROPEAN BIOCHEMICAL SOCIETIES) LETTERS, vol. 315, no. 3, 1993, pages 343-346, XP001180448 ISSN: 0014-5793 page 343, right-hand column, paragraph 1</p> <p style="text-align: center;">---</p>	1-10
A	<p>PRASHER D C ET AL: "PRIMARY STRUCTURE OF THE AEQUOREA VICTORIA GREEN-FLUORESCENT PROTEIN" GENE, ELSEVIER, AMSTERDAM, NL, vol. 111, 1992, pages 229-233, XP001018985 ISSN: 0378-1119 figure 2</p> <p style="text-align: center;">---</p>	1-10
X	<p>-&amp; DATABASE GENBANK 'Online! 26 April 1993 (1993-04-26) PRASHER ET AL.: "Primary Structure of the Aequorea victoria green-fluorescent protein" Database accession no. M62653 XP002276253 the whole document</p> <p style="text-align: center;">-----</p>	1-3,5